


# **GENECOM1** *Version 3.x*

User's manual . . . . .	
Notice d'utilisation . . . . .	
Bedienungsanleitung . . . . .	
Instrucciones de uso . . . . .	





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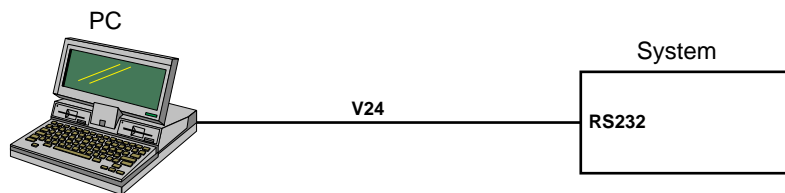
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GENECOM 1 is a communications software package used to carry out on-site and remote operations on GENERIS and EuroGeneris systems.

The three different applications are:

- System administration (Minitel emulation).
- Configuration backup (complete or partial).
- Configuration restoring (complete or partial).

## On-site operation

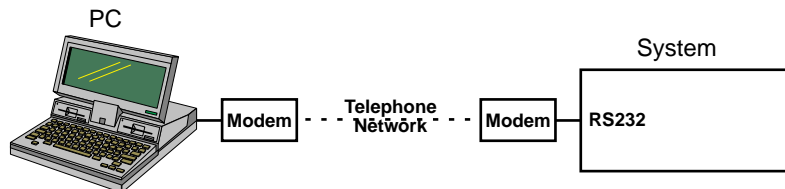


## Remote operation

### Via external modem

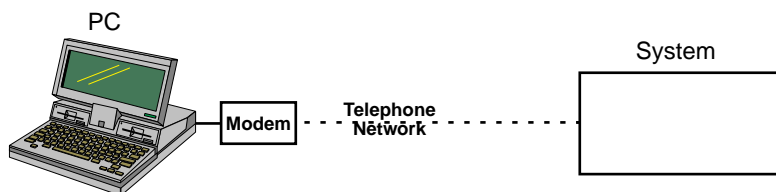
The external modem is connected to the system through the system's serial port (RS232). It may be:

- wired directly to an outside trunk,
- connected to an analog line board and assigned a DID number.



**Via built-in modem (V400 or later)**

The system's V23 built-in modem is used and assigned a DID number.



## Software

The software package comes in the form of a floppy disk.

You may either run the software from the floppy or copy it into your PC hard disk.

**Note:** *It is advisable to make a copy of the applications into your PC hard disk as*

- *data is stored in the software directory,*
- *floppy storage size may be insufficient,*
- *floppy disks are not permanent reliable storage.*

## Load applications into your hard disk

To copy the software package into your hard disk, proceed as follows:

1. Select the directory in which you wish to copy the software package.
2. Enter the command "MD GENECOM" to create a new directory.
3. Enter the command "CD GENECOM" to select the GENECOM directory.
4. Enter the command "copy a: \*.\*" to load the files into hard disk.

## Hardware

### Serial interface board - RS232 (former release)

**Table 1 : Switch and strap setting**

Strap								Switch							
X1	X2	X3	X4	X5	X6	X7	X8	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8
ON	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	ON	ON	ON	OFF	ON	ON

If switches and straps are not set as shown above:

1. Take a note of current setting (in order to restore current setting before leaving).
2. Switch off the system.
3. Set switches and straps as shown above.
4. Switch on the system.



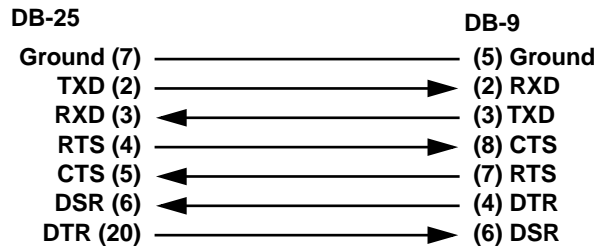
## Connecting data communications devices

You will find below a set of standards specifying circuit functions and their corresponding connector pin assignments for interfaces between system, computers and modems.

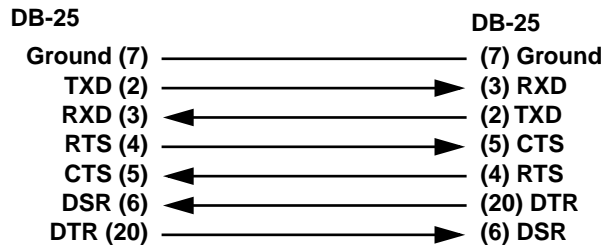
### Serial interface board - RS232 (former release)

#### Serial linking cords between system and PC

##### Standard 9-pin connector

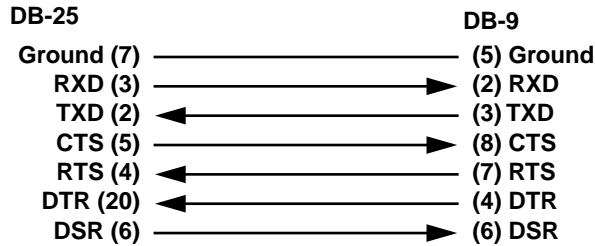


##### Standard 25-pin connector

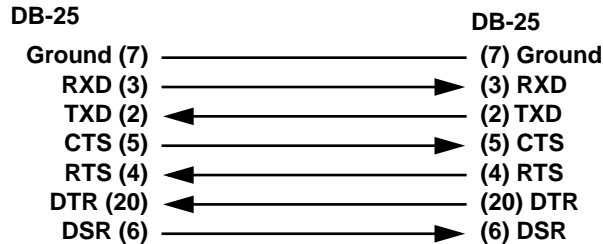


## Serial linking cords between system and modem

## Standard 9-pin connector



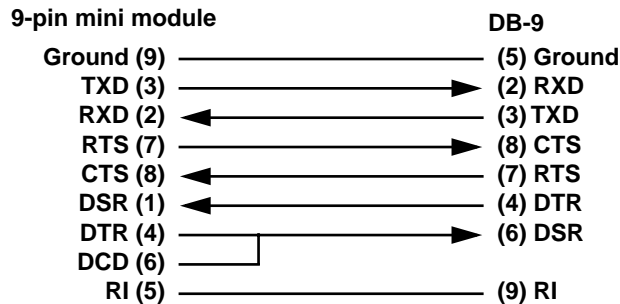
## Standard 25-pin connector



## Serial interface board - 2RS232 (new release)

## Serial linking cords between system and PC

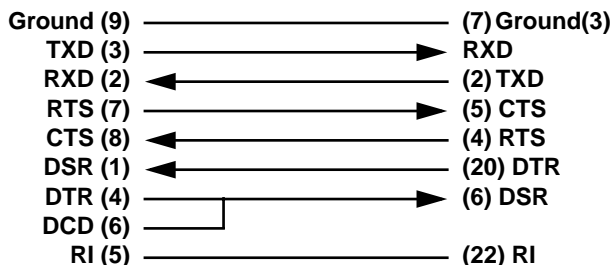
## Standard 9-pin connector



### Standard 25-pin connector

#### 9-pin mini module

#### DB-25

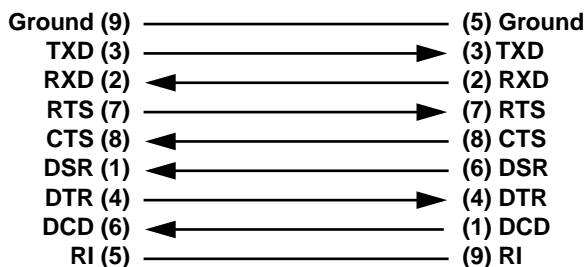


### Serial linking cords between system and modem

#### Standard 9-pin connector

#### 9-pin mini module

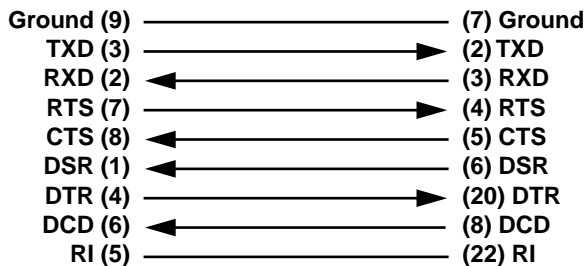
#### DB-9



### Standard 25-pin connector

#### 9-pin mini module

#### DB-25



## Serial port configuration

For on-site or remote operation via an external modem, we advise the following system serial port configuration:

- Baud rate: 9600 (Lower speeds may be used but remember that the higher the speed, the faster the transmission).
- Character length: 8 bits.
- Parity: none.
- Number of stop bits: 1.
- X on-X off: inactive.

**Note:** When the serial port configuration is modified, the connection between the system and the PC is interrupted and GENECOM restart procedure must be carried out.

For remote operation via the built-in modem (V400 or later), we advise the following PC serial port configuration (V23 protocol):

- Baud rate: 1200.
- Character length: 7 bits.
- Parity: even.
- Number of stop bits : 1.
- X on-X off: inactive.

**Note:** When the serial port configuration is modified, the connection between the system and the PC is interrupted and GENECOM restart procedure must be carried out.

## Main menu

The start-up procedure is carried out in DOS.

1. Select GENECOM directory.
2. Enter the command "GENECOM".

The main menu is displayed.

- Option A :** See *GENECOM parameters*, page 4-1.  
**Option B :** See *Backup / Restore*, page 5-1.  
**Option C :** See *System administration*, page 7-1.  
**Option D :** See *Remote connection / disconnection*, page 3-2.  
**Option E :** See *Configuration conversion*, page 6-1.

## Select option

To select an option, you may either:

- Use the PGUP and PGDN buttons to select the appropriate line and press "ENTER",
- or
- Enter the appropriate letter.

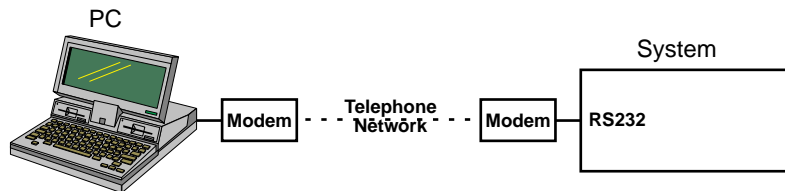
## Remote connection / disconnection

### Via external modem

#### Description

The external modem is connected to the system through the system's serial port (RS232). It may be:

- wired directly to an outside trunk,
- connected to an analog line board and assigned a DID number.



#### Installation and configuration

##### External modem directly wired to an outside trunk:

1. Connect the trunk to the modem.
2. Connect the serial linking cord between the modem and serial interface board.
3. Configure the modem according to the system serial port configuration.

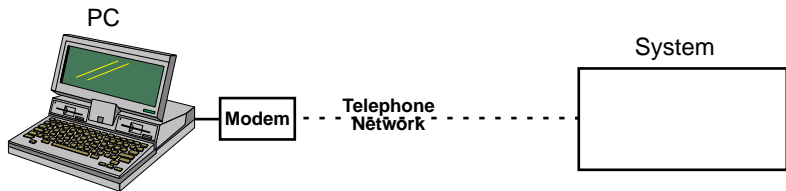
##### External modem connected to an analog line board & assigned a DID number:

1. Connect the modem to the analog line board.
2. Connect the serial linking cord between the modem and serial interface board.
3. Configure the modem according to the system serial port configuration.
4. Assign a DID number to the modem.

Via built-in modem (V400 or later)

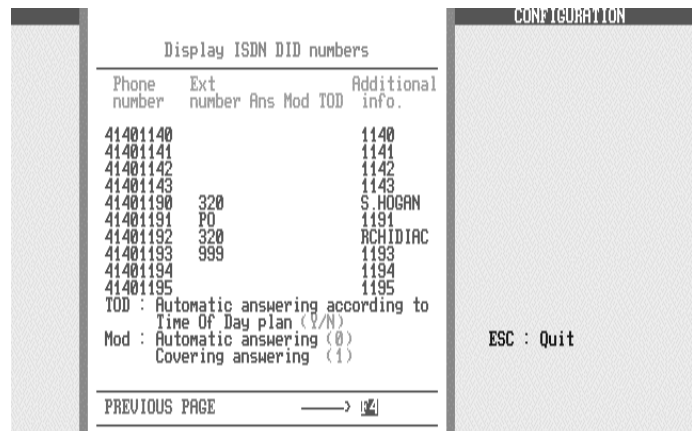
Description

The system's V23 built-in modem is used and assigned a DID number.



Configuration

1. Assign a DID number to extension "999". See the screen below.



Connection

Select option D in the main menu.

1. Dial the call number or select one in GENECOM1 telephone directory by pressing the F1 button.

The connection is established automatically.

### Using GENECOM1 telephone directory







GENECOM1 telephone directory may contain up to 1000 entry files. An entry file contains the following items:

- Name (up to 30 characters).
- Telephone number (up to 24 characters).

#### To create a new entry file:

1. Press the "Insert" button.
2. Enter the outside party's name and telephone number.
3. Press the "Return" button.

#### To select an entry file:

1. Use the following buttons , , , ,  and  to select an entry file.
2. Press the "Return" button.

#### To delete an entry file:

1. Select the appropriate file as indicated above.
2. Press the "Delete" button.

#### To modify an entry file:

1. Select the appropriate file as indicated above.
2. Press the "F5" button.
3. Modify the file accordingly.
4. Press the "Return" button.

## Disconnection

1. Again, select option D in the main menu.



Select option A in the main menu.

The “GENECOM parameters” menu is displayed:

- Option A :** See *Language used*, page 4-1.
- Option B :** See *System release*, page 4-1.
- Option C :** See *Directory selection*, page 4-2.
- Option D :** See *Serial port selection*, page 4-2.
- Option E :** See *Serial port parameters*, page 4-3.
- Option F :** See *Video memory address selection*, page 4-3.
- Option G :** See *Modem parameters*, page 4-4.

## ***Language used***

Allows to select the appropriate language.

Select option A in the “GENECOM parameters” menu.

1. Select the appropriate option.
2. Press “Enter”.

## ***System release***

Allows to select the appropriate system release.

Select option B in the “GENECOM parameters” menu.

1. Select the appropriate option.
2. Press “Enter”.

## ***Directory selection***

Allows to create or select the appropriate directory especially for backup and restore operations.

Select option C in the "GENECOM parameters" menu.

### **To create a new directory:**

1. Enter name of new directory.
2. Press "Enter".
3. The new directory is selected automatically.

### **To select a directory:**

1. Enter name of directory (see the list on left handside).
2. The requested directory is selected automatically.

### **To get back to GENECOM1 directory:**

1. Enter "." (fullstop).
2. Press "Enter".

## ***Serial port selection***

Allows to select the PC serial port that is used.

Select option D in the "GENECOM parameters" menu.

1. Select the appropriate option.
2. Press "Enter".

## Serial port parameters

Allows to modify the serial port parameters.

Select option E in the “GENECOM parameters” menu.

**Option A :** See *Transmission speed*, page 4-3.

**Option B :** See *Data bits and parity*, page 4-3.

**Option C :** See *Stop bits*, page 4-3.

### Transmission speed

Allows to select the appropriate transmission speed.

1. Select the appropriate option.
2. Press “Enter”.

When option A “AUTO” is selected, GENECOM automatically works out the transmission speed for:

- the system serial port, in on-site operations,
- the modem, in remote operations.

### Data bits and parity

Allows to select the appropriate number of data bits and parity.

1. Select the appropriate option.
2. Press “Enter”.

### Stop bits

Allows to select the appropriate number of stop bits.

1. Select the appropriate option.
2. Press “Enter”.

## Video memory address selection

Allows to select the appropriate video memory address.

Select option F in the “GENECOM parameters” menu.

1. Select the appropriate option.
2. Press “Enter”.

## Modem parameters

Allows to define the commands sent by GENECOM to the modem. Read your modem user's manual before modifying these parameters.

Select option G in the "GENECOM parameters" menu.

Option E is used to select the default Hayes standard command set.

**Table 2 : Hayes standard command set**

Command	Control characters	Observations
Initialization	AT Q0 V1 E1 S0=0	'AT' = Attention code 'Qn' = Quiet/vocal mode 'Vn' = Numeric/verbal result codes 'En' = Echo off/on 'Sn=X' = Set register <i>n</i> to value <i>X</i>
Dial	ATDT	'DT' = Touch-tone dialing (DTMF)
Escape	+++	Escape sequence
Drop	ATH	'H' = Off-hook

Select option B in the main menu.

The “Backup / restore” menu is displayed:

**Option A :** See *Backup*, page 5-2.

**Option B :** See *Restore*, page 5-4.

**Option C :** See *Force CDR buffer transfer*, page 5-6.

**Option D :** See *Country selection*, page 5-6.

### Versions V400 or later

From system release V400, the connection to the system is direct (Built-in V23 modem + DID number).

**Warning:** When the built-in modem is used, the PC serial port configuration has to match V23 protocol, i.e. 1200 baud speed, 7 data bits and even parity.

For obvious security reasons, the installer's login password has to be entered for backup and restore operations:

1. Enter the Installer's login password (lxxxx).
2. Backup / restore menu is accessible.

## Backup

Select option A in the “Backup / restore” menu.

1. Select the appropriate option (See the tables below).
2. Enter name of file (up to 8 characters).
3. The upload is taking place.

### Tables of the different backup sessions according to system release

**Table 3 : V122**

Option	Name of session	Upload contents	Name of file
A	Complete (except alphabetical AD)	Complete system backup except alphabetical AD data	SVT
B	Extension configuration	Terminal translation initialization Extensions Extension groups	SVP
C	Trunk configuration	Trunks Call coverage answer group Outgoing trunk groups Outgoing routing patterns Day/Night service incoming destination	SVR
D	Restriction	Emergency call list CORs Time-of-day plans	SVD
E	Abbreviated dialing	System AD (if no alphabetical AD) Personal AD AD groups (if no alphabetical AD)	SVN
F	Call detail recording	Customized CDR	SVX
G	Alphabetical AD	800 AD numbers Label fields	SV8
H	DISA	DISA parameters Coverage paths	SDI
I	DSS configuration	DSS configurations	SVM
J	System parameters	Serial port assignment Attendant consoles Feature access codes System wide timers Power supply	SVA
K	Work field	Applicable to backup only. Do not use unless asked by the Manufacturer.	TRA

**Table 4 : V140**

Option	Name of session	Upload contents	Name of file
A	Complete (except alphabetical AD)	Complete system backup except alphabetical AD data	SVT
B	Extension configuration	Terminal translation initialization Extensions Extension groups	SVP
C	Trunk configuration	Trunks Call coverage answer group Outgoing trunk groups Outgoing routing patterns Day/Night service incoming destination	SVR
D	Restriction	Emergency call list CORs Time-of-day plans	SVD
E	Abbreviated dialing	System AD (if no alphabetical AD) Personal AD AD groups (if no alphabetical AD)	SVN
F	Call detail recording	Customized CDR	SVX
G	Alphabetical AD	800 AD numbers Label fields	SV8
H	SDA Colisée	SDA parameters SDA number assignments Coverage paths	SVS
I	Voice processing services	Voice services groups Parameters	SVV
J	DSS configuration	DSS configurations	SVM
K	System parameters	Serial port assignment Attendant consoles Feature access codes System wide timers Power supply	SVA
L	Work field	Applicable to backup only. Do not use unless asked by the Manufacturer.	TRA

**Table 5 : V200 and later**

Option	Name of session	Upload contents	Name of file
A	Complete (except alphabetical AD)	Complete system backup except alphabetical AD data	SVT
B	Alphabetical AD	800 AD numbers Label fields	SV8
C	Total	Total system backup	ST8

## Restore

Select option B in the “Backup / restore” menu.

1. Select the appropriate option (See the tables below).
2. Enter name of file (up to 8 characters).
3. The download is taking place.

### Recommendations :

- Restoring must be done when no traffic takes place on the system. Therefore it is advisable to remove all the port circuit packs before restoring and reinsert them after the initialization of the system.
- When restoring a converted configuration, the board location in the cabinet(s) must be exactly the same as it was before the backup. If a change is needed in the board location, remove all the port circuit packs before restoring and reinsert them after the initialization of the system.

## Tables of the different restore sessions according to system release

**Table 6 : V122**

Option	Name of session	Download contents	Name of file
A	Complete (except alphabetical AD)	Complete system restoring except alphabetical AD data	SVT
B	Extension configuration	Terminal translation initialization Extensions Extension groups	SVP
C	Trunk configuration	Trunks Call coverage answer group Outgoing trunk groups Outgoing routing patterns Day/Night service incoming destination	SVR
D	Restriction	Emergency call list CORs Time-of-day plans	SVD
E	Abbreviated dialing	System AD (if no alphabetical AD) Personal AD AD groups (if no alphabetical AD)	SVN
F	Call detail recording	Customized CDR	SVX
G	Alphabetical AD	800 AD numbers Label fields	SV8
H	DISA	DISA parameters Coverage paths	SDI
I	DSS configuration	DSS configurations	SVM
J	System parameters	Serial port assignment Attendant consoles Feature access codes System wide timers Power supply	SVA



**Table 7 : V140**

Option	Name of session	Download contents	Name of file
A	Complete (except alphabetical AD)	Complete system restoring except alphabetical AD data	SVT
B	Extension configuration	Terminal translation initialization Extensions Extension groups	SVP
C	Trunk configuration	Trunks Call coverage answer group Outgoing trunk groups Outgoing routing patterns Day/Night service incoming destination	SVR
D	Restriction	Emergency call list CORs Time-of-day plans	SVD
E	Abbreviated dialing	System AD (if no alphabetical AD) Personal AD AD groups (if no alphabetical AD)	SVN
F	Call detail recording	Customized CDR	SVX
G	Alphabetical AD	800 AD numbers Label fields	SV8
H	SDA Colisée	SDA parameters SDA number assignments Coverage paths	SVS
I	Voice processing services	Voice services groups Parameters	SVV
J	DSS configuration	DSS configurations	SVM
K	System parameters	Serial port assignment Attendant consoles Feature access codes System wide timers Power supply	SVA

**Table 8 : V200 and later**

Option	Name of session	Download contents	Name of file
A	Complete (except alphabetical AD)	Complete system restoring except alphabetical AD data	SVT
B	Alphabetical AD	800 AD numbers Label fields	SV8
C	Total	Total system restoring	ST8

## ***Force CDR buffer transfer***

While using GENECOM, the system can no longer send CDR data to a call detail recording device (printer or software application). Nevertheless CDR data is automatically stored in the system's buffer.

When the system's buffer is full, data is automatically uploaded on the PC. In that case, the upload screen is displayed and CDR data files are in the form: "TAXES000.TXT"

However, at any time, it is possible to ask for backup and upload in order to empty the buffer.

1. Enter name of file (up to 8 characters).
2. The upload is taking place.

## ***Country selection***

Allows to initialize the system according to its location.

Select option D in the "Backup / restore" menu.

1. Select the appropriate option.
2. Press "Enter".
3. When initialization is complete, the connection to the system is dropped.

The GENECOM conversion application is used to carry out the following operations on GENERIS and EuroGeneris systems:

- Configuration conversion:
  - GENERIS version 3xx.
  - EuroGeneris version 4xx.
- Converted configuration restoring:
  - GENERIS version 3xx.
  - EuroGeneris version 4xx.
  - EuroGeneris version 5xx.

**Warning:** Call detail recording and personal AD will not be saved.

## ***System update procedure***

Proceed as follows:

### **Stage 1:**

1. Connect the serial linking cord between the system and PC.
2. Run GENECOM (See *GENECOM1 start-up procedure*, page 3-1.)
3. Select the system release (See *System release*, page 4-1.)
4. Execute a total backup session (See *Tables of the different backup sessions according to system release*, page 5-2.)
5. Execute a file conversion (See *Conversion*, page 6-2.).

### **Stage 2:**

6. Switch off the system.
7. Remove old PROMs and place new PROMs in their respective housings.
8. Switch on the system and reset memories.

### **Stage 3:**

9. Execute a total restore session (See *Tables of the different restore sessions according to system release*, page 5-4.).

## Conversion

In the “Configuration conversion” menu:

1. Select the appropriate option, i.e. the destination release.
2. Select the appropriate option, i.e. the source release.
3. Select option A “Source”. A list of the available files is displayed.














**Note:** Only the files stored in the selected directory are displayed (See Directory selection, page 4-2.).

4. Enter name of source file.
5. Select option B “Destination”.
6. Enter name of new file.
7. Select option C “Conversion”.

## PC emulation

**Note:** PC's keyboard should be in capital mode.

**Table 9 : PC buttons**

To do this	Press
Show/Hide Help	
Erase field contents	
Go back to previous screen	
Print screen	
Cancel printing	
Go back to previous field	
Go to next field	
Go back to previous column	
Go to next column	
Erase last character	
Validate screen	
Show/Hide Glossary	 

### Quit emulation

To leave System administration, press “Escape”.





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